Index □ Volume 34, 1986

ARTICLES *(by title)*

Absolutes and angst in educational technology research: A reply to Don Cunningham, Richard E. Clark, 34:1 8–9

An analysis of algorithmic processes and instructional design, Richard F. Schmid *and* Vernon S. Gerlach, 34:3 163–174

Can children effectively reuse the same mnemonic pegwords?, Thomas E. Scruggs, Margo A. Mastropieri, *and* Joel R. Levin, 34:2 83–88

Communicability of the emotional connotation of type, Gary R. Morrison, 34:4 235–244

Comparative analysis of television tutorial and CAI for the teaching of typing skills to radio-teletypewriter operators, Walter Wager, 34:2 97–104

A critical analysis of the use of computers in education, Michael J. Streibel, 34:3 137–161

Effects of a diagrammatic display of coordinate concept definitions on concept classification performance, Martin Tessmer *and* Marcy P. Driscoll, 34:4 195–205

The effects of progressive interactivity on learning from interactive video, Lemuel C. Schaffer *and* Michael J. Hannafin, 34:2 89–96

The effects of various mastery criteria on student performance and attitude in a mastery-oriented course, Robert A. Reiser, Marcy P. Driscoll, Dale S. Farland, Adriana Vergara, *and* Martin C. Tessmer, 34:1 31–38

Good guys and bad guys, Donald J. Cunningham, 34:1 3–7

Implications of instructional psychology for the design of educational television, Robert B. Kozma, 34:1 11–19

The instructional systems development (ISD) model: A review of those factors critical to its successful implementation, Barbara L. McCombs, 34:2 67–81

Media influence on learning: Examining the role of preconceptions, Kathy A. Krendl, 34:4 223–234

Prose-relevant pictures and older learners' recall of written-prose, Gary J. Anglin, 34:3 131–136

A qualitative study of computers and printouts in the classroom, Susan Tyler Eastman, 34:4 207–222

Visualizing spatial tasks: A comparison of computer graphic and full-band video displays, Stephen R. Acker *and* Elisa L. Klein, 34:1 21–30

ARTICLES *(by author)*

Acker, Stephen R. *and* Elisa L. Klein, Visualizing spatial tasks: A comparison of computer graphic and full-band video displays, 34:1 21–30

Anglin, Gary J., Prose-relevant pictures and older learners' recall of written prose, 34:3 131–136

Clark, Richard E., Absolutes and angst in educational technology research: A reply to Don Cunningham, 34:1 8–9

Cunningham, Donald J., Good guys and bad guys, 34:1 3–7

Driscoll, Marcy P., *See* Reiser, Robert A.

Driscoll, Marcy P., *See* Tessmer, Martin

Eastman, Susan Tyler, A qualitative study of computers and printouts in the classroom, 34:4 207–222

Farland, Dale S., *See* Reiser, Robert A.

Gerlach, Vernon S., *See* Schmid, Richard F.

Hannafin, Michael J., *See* Schaffer, Lemuel C.

Klein, Elisa L., *See* Acker, Stephen R.

Kozma, Robert B., Implications of instructional psychology for the design of educational television, 34:1 11–19

Krendl, Kathy A., Media influence on learning: Examining the role of preconceptions, 34:4 223–234

Levin, Joel R., *See* Scruggs, Thomas E.

Mastropieri, Margo A., *See* Scruggs, Thomas E.

McCombs, Barbara L., The instructional systems development (ISD) model: A review of those factors critical to its successful implementation, 34:2 67–81

Morrison, Gary R., Communicability of the emotional connotation of type, 34:4 235–244

Reiser, Robert A., Marcy P. Driscoll, Dale S. Farland, Adriana Vergara, *and* Martin C. Tessmer, The effects of various mastery criteria on student performance and attitude in a mastery-oriented course, 34:1 31–38

Schaffer, Lemuel C. *and* Michael J. Hannafin, The effects of progressive interactivity on learning from interactive video, 34:2 89–96

Schmid, Richard F. *and* Vernon S. Gerlach, An analysis of algorithmic processes and instructional design, 34:3 163–174

Scruggs, Thomas E., Margo A. Mastropieri, *and* Joel R. Levin, Can children effectively reuse the same mnemonic pegwords?, 34:2 83–88

Striebel, Michael J., A critical analysis of the use of computers in education, 34:3 137–161
Tessmer, Martin C., *See* Reiser, Robert A.
Tessmer, Martin C., *and* Marcy P. Driscoll, Effects of a diagrammatic display of coordinate concept definitions on concept classification performance, 34:4 195–205
Vergara, Adriana, *See* Reiser, Robert A.
Wager, Walter, Comparative analysis of television tutorial and CAI for the teaching of typing skills to radio-teletypewriter operators, 34:2 97–104

INTERNATIONAL REVIEW *(by title)*

Educational television research in Japan, Drew Tiene, Takashiro Akiyama, *and* Sachiko Imaizumi-Kodaira, 34:3 176–182
The impact of media technology in peasant societies: The case of SITE, William J. Starosta *and* Allen H. Merriam, 34:1 40–45
Instructional technology research in Latin America, Clifton B. Chadwick, 34:4 247–254
The new Soviet computer literacy campaign, Richard W. Judy *and* Jane M. Lommel, 34:2 108–123
Psychological problems in creating and using computers, T. V. Kornilova, *Abstracted by* Stephen T. Kerr, 34:2 106–107
Toward a methodology of formative evaluation in medically oriented media, Philippe Isidori, Hervé Bernard de Saint Affrique, *and* Dominique Carles, *Abstracted by* Nick Eastmond, 34:4 245–246

INTERNATIONAL REVIEW *(by author)*

Akiyama, Takashiro. *See* Tiene, Drew
Bernard de Saint Affrique, Hervé. *See* Isidori, Philippe
Carles, Dominique. *See* Isidori, Philippe
Chadwick, Clifton B., Instructional technology research in Latin America, 34:4 247–254
Imaizumi-Kodaira, Sachiko. *See* Tiene, Drew
Isidori, Philippe, Hervé Bernard de Saint Affrique, *and* Dominique Carles, Toward a methodology of formative evaluation in medically oriented media, *Abstracted by* Nick Eastmond, 34:4 245–246
Judy, Richard W. *and* Jane M. Lommel, The new Soviet computer literacy campaign, 34:2 108–123
Kornilova, T. V., Psychological problems in creating and using computers, *Abstracted by* Stephen T. Kerr, 34:2 106–107
Lommel, Jane M. *See* Judy, Richard W.
Merriam, Allen H. *See* Starosta, William J.
Starosta, William J. *and* Allen H. Merriam, The impact of media technology in peasant societies: The case of SITE, 34:1 40–45
Tiene, Drew, Takashiro Akiyama, *and* Sachiko Imaizumi-Kodaira, Educational television research in Japan, 34:3 176–182

BOOK REVIEWS *(by title)*

The affective and cognitive domains: Integration for instruction and research, Barbara L. Martin *and* Leslie J. Briggs. *Reviewed by* Roberts A. Braden, 34:1 47–49
Educational technology: A critical perspective, Robert E. Holloway. *Reviewed by* Randall G. Nichols, 34:1 50–53
The turning point, Fritjof Capra. *Reviewed by* Catherine Twomey Fosnot, 34:3 183–186
Using computers in English: A practical guide, Phil Moore. *Reviewed by* Ruth Betza, 34:4 255–257

BOOK REVIEWS *(by author)*

Briggs, Leslie J. *See* Martin, Barbara L.
Capra, Fritjof, The turning point. *Reviewed by* Catherine Twomey Fosnot, 34:3 183–186
Holloway, Robert E., Educational technology: A critical perspective. *Reviewed by* Randall G. Nichols, 34:1 50–53
Martin, Barbara L. *and* Leslie J. Briggs, The affective and cognitive domains: Integration for instruction and research. *Reviewed by* Roberts A. Braden, 34:1 47–49
Moore, Phil, Using computers in English: A practical guide. *Reviewed by* Ruth Betza, 34:4 255–257

BOOK REVIEWERS

Betza, Ruth, 34:4 255–257
Braden, Roberts A., 34:1 47–49
Fosnot, Catherine Twomey, 34:3 183–186
Nichols, Randall G., 34:1 50–53

RESEARCH ABSTRACTS *(by title)*

Clarifying the "A" in CAI for learners of different abilities. Assessing the cognitive consequences of computer environments for learning (ACC-CEL), Ellen B. Mandinach, 34:1 57
Cognitive abilities and computer programming, Stephen H. Fletcher, 34:2 125
Cognitive style: Effects of structure at acquisition and testing, Kenneth A. Kiewra *and* Bernard M. Frank, 34:4 259
Coherence and cognitive style, James D. Williams, 34:1 59–60

A comparison of student achievement across three methods of presentation of a computer based science simulation. Technical report series, Technical report no. 84.1.5, Robert D. Sherwood *and* Ted Hasselbring, 34:4 295
The computer as educator: Lessons from television research, Gavriel Salomon *and* Howard Garner, 34:2 126–127
Development and validation of Army selection and classification measures. Project A: Longitudinal research database plan. Research report 1356, Lauress L. Wise *and* others, 34:1 56
Different logo learning environments and mastery: Relationships between engagement and learning, Charles K. Kinzer *and* others, 34:3 188–189
The effect of LOGO on increasing systematic and procedural thinking according to Piaget's theory of intellectual development and on its ability to teach geometric concepts to young children, Lloyd P. Rieber, 34:2 124
The effect of system-assigned exemplar-comparison strategies on acquisition of coordinate concepts, Brockenbrough S. Allen, 34:2 126
The effect of word processing on writing, John A. Cross *and* Bob J. Curey, 34:1 55
The effects of imagining and perceiving on problem solving strategies, Gerald L. Hanley *and* H. William Morrison, 34:1 58
An evaluation of tutorial CAL at the Open University: The use of Cicero in SDT 286. CAL research group technical report no. 5, Ann Jones *and* Tim O'Shea, 34:1 55
Examining the effects of varied computer-based reinforcement on self-esteem and achievement: An exploratory study, David W. Dalton *and* Michael J. Hannafin, 34:2 124
Factors effecting learner motivation in distance education: The interaction between learner attributes and learner course performance. REDEAL research report no. 9, Project REDEAL research and evaluation of distance education for the adult learner, Dan O. Coldeway *and* others, 34:1 57
Functional environments for microcomputers in education, Denis Newman, 34:2 127
Gaming approaches in educational software: An analysis of their use and effectiveness, James J. Dunne, 34:1 61
Improving learning through enhanced metacognition: A classroom study, John R. Baird *and* Richard T. White, 34:1 58–59
Individual differences in brain event-related potentials and concept acquisition, Pat-Anthony Federico, 34:1 54–55
Individualized instruction: A review of audio-tutorial instruction, guided design, the personalized system of instruction, and individualized lecture classes, Richard W. Couch, 34:1 60–61
Investigating the relationship between field independence-dependence and conditional reasoning performance within an effective instructional system, David S. Lane, Jr. *and* Dianna L. Newman, 34:3 190
Learning logo: The social context of cognition, Catherine Emihovich *and* others, 34:3 189
Learning rate differences for knowledge, comprehension, and application tasks, Mark A. Lyon, 34:1 61
Locus of cognitive gains from tutoring, Nancy A. McKellar, 34:1 59
Locus of control among computer-using school children. A report of a pilot study, Steven Louie, 34:2 126
Personality and cognitive factors influencing computer programming performance, John P. Chin *and* Steven G. Zecker, 34:3 189
PSI students' need for class interaction and how to satisfy this need, A. Vivien Ball, 34:3 188
The psychological construct of encoding specificity and its relationship to designing instruction and tests, James Canelos, *and* others, 34:2 125–126
Research data on the measure of epistemological reflection: Measuring the Penny Scheme, Marcia B. Taylor *and* William D. Porterfield, 34:1 60
Research on the introduction, use, and impact of the "Think About" instructional television series. Volume I. Technical report, James R. Sonders *and* Subhash R. Sonnad, 34:2 128
Research on the training of higher cognitive learning and thinking skills. Final report. Report no. 5560, R. S. Nickerson, 34:1 59
The role of prior knowledge and strategy-shifting in spatial ability, David F. Lohman, 34:1 58
Student incentive preferences in a competency-based remedial algebra course, Michael J. Albright, 34:2 125
Teaching thinking through LOGO: The importance of method. Technical report series, report no. 84.1.2, Victor R. Delclos *and* others, 34:3 190
Teleteach expanded delivery system: Evaluation, G. Ronald Christopher *and* Alvin L. Milam, 34:1 54
Video in the outback: An evaluation of the loan video programme in Western Australia, Peter Hosie, 34:2 127
The videogame and the college student, Dave D'Alessio *and* others, 34:1 56–57
Videotex in middle school: Accommodating computers and printouts in learning information processing skills, Susan Tyler Eastman, 34:1 56

RESEARCH ABSTRACTS
(by author)

Albright, Michael J., Student incentive preferences in a competency-based remedial algebra course, 34:2 125
Allen, Brockenbrough S., The effect of system-assigned exemplar-comparison strategies on acquisition of coordinate concepts, 34:2 126
Baird, John R. *and* Richard T. White, Improving learning through enhanced metacognition: A classroom study, 34:1 58–59

Ball, A. Vivien, PSI students' need for class interaction and how to satisfy this need, 34:3 188
Canelos, James *and* others, The psychological construct of encoding specificity and its relationship to designing instruction and tests, 34:2 125–126
Chin, John P. *and* Steven G. Zecker, Personality and cognitive factors influencing computer programming performance, 34:3 189
Christopher, G. Ronald *and* Alvin L. Milam, Teleteach expanded delivery system: Evaluation, 34:*1* 54
Coldeway, Dan O. *and* others, Factors effecting learner motivation in distance education: The interaction between learner attributes and learner course performance. REDEAL research report no. 9, Project REDEAL research and evaluation of distance education for the adult learner, 34:*1* 57
Couch, Richard W., Individualized instruction: A review of audio tutorial instruction, guided design, the personalized system of instruction, and individualized lecture classes, 34:*1* 60–61
Cross, John A. *and* Bob J. Curey, The effect of word processing on writing, 34:*1* 55
Curey, Bob J., *See* Cross, John A.
D'Alessio, Dave *and* others, The videogame and the college student, 34:*1* 56–57
Dalton, David W. *and* Michael J. Hannafin, Examining the effect of varied computer-based reinforcement on self-esteem and achievement: An exploratory study, 34:2 124
Delclos, Victor R. *and* others, Teaching thinking through LOGO: The importance of method. Technical report series, report no. 84.1.2, 34:3 190
Dunne, James J., Gaming approaches in educational software: An analysis of their use and effectiveness, 34:*1* 61
Emihovich, Catherine *and* others, Learning logo: The social context of cognition, 34:3 189
Federico, Pat-Anthony, Individual differences in brain event-related potentials and concept acquisition, 34:*1* 54–55
Fletcher, Stephen H., Cognitive abilities and computer programming, 34:2 125
Frank, Bernard M., *See* Kiewra, Kenneth A.
Garner, Howard. *See* Salomon, Gavriel
Hanley, Gerald L. *and* H. William Morrison, The effects of imagining and perceiving on problem solving strategies, 34:*1* 58
Hannafin, Michael J., *See* Dalton, David W.
Hasselbring, Ted, *See* Sherwood, Robert D.
Hosie, Peter, Video in the outback: An evaluation of the loan video programme in Western Australia, 34:2 127
Jones, Ann *and* Tim O'Shea, An evaluation of tutorial CAL at the Open University: The use of Cicero in SDT 286. CAL research group technical report no. 5, 34:*1* 55
Kierwa, Kenneth *and* Bernard M. Frank, Cognitive style: Effects of structure at acquisition and testing, 34:4 259
Kinzer, Charles K. *and* others, Different logo learning environments and mastery: Relationships between engagement and learning, 34:3 188–184
Lane, David S., Jr. *and* Dianna L. Newman, Investigating the relationship between field independence-dependence and conditional reasoning performance within an effective instructional system, 34:3 190
Lohman, David F., The role of prior knowledge and strategy-shifting in spatial ability, 34:*1* 58
Louie, Steven, Locus of control among computer-using school children. A report of a pilot study, 34:2 126
Lyon, Mark A., Learning rate differences for knowledge, comprehension, and application tasks, 34:*1* 61
Mandinach, Ellen B., Clarifying the "A" in CAI for learners of different abilities. Assessing the cognitive consequences of computer environments for learning (ACC-CEL), 34:*1* 57
McKellar, Nancy A., Locus of cognitive gains from tutoring, 34:*1* 59
Milam, Alvin L., *See* Christopher, G. Ronald
Morrison, H. William, *See* Hanley, Gerald L.
Newman, Denis, Functional environments for microcomputers in education, 34:2 127
Newman, Dianna L., *See* Lane, David S., Jr.
Nickerson, R. S., Research on the training of higher cognitive learning and thinking skills. Final report. Report no. 5560, 34:*1* 59
O'Shea, Tim, *See* Jones, Ann
Porterfield, William D., *See* Taylor, Marcia B.
Reiber, Lloyd P., The effect of LOGO on increasing systematic and procedural thinking according to Piaget's theory of intellectual development and on its ability to teach geometric concepts to young children, 34:2 124
Salomon, Gavriel *and* Howard Garner, The computer as educator: Lessons from television research, 34:2 126–127
Sherwood, Robert D. *and* Ted Hasselbring, A comparison of student achievement across three methods of presentation of a computer based science simulation. Technical report series, Technical report no. 84.1.5, 34:4 259
Sonders, James R. *and* Subhash R. Sonnad, Research on the introduction, use, and impact of the "Think About" instructional television series. Volume I. Technical report, 34:2 128
Sonnad, Subhash, R., *See* Sonders, James R.
Taylor, Marcia B. *and* William D. Porterfield, Research data on the measure of epistemological reflection: Measuring the Perry Scheme, 34:*1* 60
White, Richard T., *See* Baird, John R.
Williams, James D., Coherence and cognitive style, 34:*1* 59–60
Wise, Lauress L. *and* others, Development and validation of Army selection and classification measures. Project A: Longitudinal research database plan, Research report 1356, 34:*1* 56
Zecker, Steven G., *See* Chin, John P.